

CITY OF ROUND ROCK
REQUEST FOR INFORMATION
FOR
INTELLIGENT TRANSPORTATION SYSTEM

PART I

GENERAL

1. **PURPOSE:** The City of Round Rock seeks information from qualified Intelligent Transportation System (ITS) providers to better understand what the ITS technology market currently offers. This information will be used, in part, to assist the City in drafting specifications necessary to issue a subsequent Request for Proposal (RFP) to acquire an ITS for the City's Transportation Department. To determine which requirements may go into an RFP, the City seeks a comprehensive overview of available, turnkey, wireless product offerings.
2. **BACKGROUND:** The City of Round Rock, Texas, with a population of 150,000, to include those residents living just outside the City limits, is located 15 miles north of Austin. The City's growth trend of the past decade is expected to continue and the population is expected to increase by 45% over the next 15 years.

Traffic demand is exceeding roadway capacity and the City is experiencing peak-period traffic congestion. In order to optimize the existing transportation network and plan for expansion, an enhanced ITS is required to support the City. Additional City transportation information can be located on the City's website at: <http://www.roundrocktexas.gov/home/index.asp?page=120>.

The City currently utilizes ACTRA, an ITS software system offered by Siemens. Although the City's needs have outgrown the system's capabilities, over 85% of the City's traffic signals can be remotely monitored using this platform.

The City currently operates and maintains:

71	Traffic Signals
32	School Zone Flashing Beacons
11	24-Hour Flashing Beacons
10	Diamond Intersections
1	Emergency Access Gate
3	Flashing Pedestrian Crossings
1	Overhead Flashing Pedestrian Crossing
2	Variable Message Boards

3. **DEFINITION:** The following definition applies to this solicitation:
 - 3.1 **Intelligent Transportation System** - Intelligent Transportation System (ITS) applies the advanced technologies of electronics, communications, computers, control and sensory and detection in order to improve safety, efficiency, emergency services and traffic situations through transmitting real-time information.
4. **CLARIFICATION:** For questions or clarification, you may contact:

SOLICITATION NUMBER
11-027
SPECIFICATION NUMBER
11-550-90
11-550-90
DATED: August 2011

Joy Baggett
Purchasing Department
City of Round Rock
Telephone: 512-218-6682
jbaggett@round-rock.tx.us

5. **INTENT:** The opening of a response to this RFI does shall not bind the City to purchase an ITS from the Respondent. The City anticipates issuing a subsequent RFP for an ITS.

PART II

INSTRUCTIONS

1. **SUBMISSION SCHEDULE:** It is the City's intention to comply with the following solicitation submission timeline:
- 1.1 Request for Information released **August 26, 2011**
- 1.2 Responses for RFI due by **3:00 p.m. September 13, 2011**
2. **RESPONSE DUE DATE:** Please respond no later than **3:00 P.M., September 13, 2011**, to the Purchasing Department. Mail, fax, e-mail or carry information to:

City of Round Rock
Purchasing Office
221 E. Main Street
Round Rock, Texas 78664-5299
Fax: 512-218-5442
E-mail: jbaggett@round-rock.tx.us

PART III

1. **SCOPE OF INFORMATION:** The City seeks vehicle and transportation infrastructure integration to allow vehicle and road data to be communicated back to staff through a network of sensory technology. This real-time system is sought to maximize the performance and reliability of the City's freeways and arterials for increased traffic flow, more efficient deployment of emergency services and planning purposes.
- The broad goals of the system's implementation include, but are not limited to:
- 1.1 Improved safety and mobility of the existing transportation network;
- 1.2 Reduced environmental impact by reduced congestion and emissions;
- 1.3 Enhanced quality of life for residents;
- 1.4 Enhanced economic productivity;
- 1.5 Encouraged use of alternate routes and modes of travel.
2. **INFORMATION SUBMISSION REQUIREMENTS:**
- 2.1 System Literature – Please provide available brochures or product specification sheets.
- 2.2 System Overview – Product information describing a turnkey, wireless Intelligent Transportation System.